Helen Zhao

Subject: FW: MTI Co., LTd, FCC ID: SQD-6220APU-ABG, Assessment NO.: AN06T5418, Notice#1

From: Y.G. Gwon
Sent: Tuesday, January 17, 2006 10:24 PM
To: Helen Zhao
Subject: Re: MTI Co., LTd, FCC ID: SQD-6220APU-ABG, Assessment NO.:
AN06T5418, Notice#1

Dear Helen,

Thank you for your kind cooperation.
Attached please find a revised test report and antenna specification.

If you need more documents and/or comments, please inform me that in detail.

>
>> Dear Helen,
>>
>> Regarding, your kind comments, I would like to answer as following.
>>
>> Question #1: Enclosed please find some files for covering your comments.
>> Question #2: Enclosed please find a file for Declaration Letter
>> Question #3: Attached is the revised test report.
>> Question # 4: The EUT was already pick up by the client and sent the EUT to their overseas buyer. We will make setup photo for future project. Could you please understand this situation.
>> Question #5: Attached is the revised test report.
>> Question #6: The value on the plot was deleted amplifier's gain using offset function in the spectrum analyzer. We will do not use this function for future project.
>> Question #7: Attached is the revised MPE report.
>> Question # 8: Attached is the revised manual.
>> Question #9: As you know, the antenna port is only one, so the EUT cannot use both antenna at simultaneously.
>>
>> Best Regards,
>>
>> Y. G. Gwon
>>
>>
>>> -----Original Message-----
>>> From: Compliance Certification Services [mailto:helen.zhao@ccsemc.com]
>>> Sent: Thursday, January 12, 2006 10:44 PM
>>> Subject: MTI Co., LTd, FCC ID: SQD-6220APU-ABG, Assessment NO.:
>>> AN06T5418, Notice#1
>>>
>>>
>>> Question #1: Please submit the following missing documents:
>>>
>>> Block Diagram - System
>>> Schematics - System
>>> Operational Description - Module
>>> Agency Authorization Letter
>>>
>>> Question #2: The test report indicates the device uses a certified module FCC ID: MXF-M930907, but disables 5150-

5350MHz and turbo mode with Firmware, please submit attestation statement in applicant's letterhead.
>>>
>>> Question #3: The test report indicates power line conducted emisson test is not applicable, "because the EUT shall be operated by DC Voltage and does not connected to public mains network directly". But line conduction test data in the test report and test setup photos were provided in the filing, please explain.
>>>
>>> Question #4: Please provide test setup photos when omni-directional antenna (7dBi) and Bidirectional antenna (9dBi) were used in radiated emission test.
>>>
>>> Question #5: The test report shows only one set of spurious and harmonic emission test data. Please indicate datarate in the worst case.
>>>
>>> Question #6: In the test report section 8.6.1.2, 8.6.2.2, 8.6.3.2, 8.7.1.2, 8.7.2.2, 8.7.3.2, 9.6.2, the readings in the table does not match the plots. Please explain.
>>>
>>> Question #7: MPE calculation - please revise the formula to calculate power density based on d=20cm, peak power output, antenna gain, against limit 1mW/cm².
>>>
>>> Question #8: The antenna specification (5GHz) in the user manual shows antenna gain: 22 dBi (minimum). Please advise what is the maximum antenna gain, it does make sense as the power output limit is different depending on the max. antenna gain.
>>>
>>> Question #9: The device has one antenna port only, but three 2.4GHz antenna and one 5GHz antenna can be used. Please confirm the device can be used with one antenna only, which means the device can be used either at 2.4GHz band or 5G band, but not both.
>>>
>>> Best Regards,
>>> Helen Zhao
>>>
>>> The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.
>>


Antenna Specification.doc


6220APU_Report.doc


MPE.doc

>